SHR Beauty Equipment

E-angel 402

User Manual

Tel: +91 95 03487924 E-mail： dev.kanha86@gmail.com

Catalouge

Chapter One Introduction of equipment 3
Chapter Two Safety Announcements 6
Chapter Three Installation of machine 9
1.Packing of Box 9
2..Accessories 10
Chapter Four Operation Instruction 17
Operation Instructions 17
A.SHR system 18
UL System(Traditional IPL technology) 20
Clinic parameters 28
Chapter Five Clinical treatment 28
SHR Clinical Parameter Suggestion: 29
UL Clinical Parameter Suggestion 32
Breast Lifting Treatment reference : 33
3. Above all operation must consider the actual sense of the patients. 33
4. Required Sessions 36
1) hair removal 36
2)Vascular therapy 36
3) Winkle removal 36
4) Skin rejuvenation 36
5) Pigment treatment 36
6) Breast lifting treatment 36
Daily Maintenance 37

Chapter One Introduction of equipment

1. Treatment theory

What is SHR?

SHR stands for Super Hair Removal, a technology of hair removal which is having a sweeping success. The system combines laser technology and the benefits of the pulsating light method achieving painless results. SHR combined with “In Motion” represents a breakthrough in permanent hair removal with light technology. The treatment is more pleasant than with the conventional systems and your skin is better protected.

Difference between traditional IPL technology and SHR

Traditional IPL technologies employ short impulses of approximately 2-300 milliseconds, applying a vast amount of energy (12-120 Joule on one square centimeter). Energy is transported to the hair root through melanin, where warmth of 65-72° Celsius is produced. Energy reaches the root of the hair follicle solely through melanin. Skin and red blood cells have a similar absorption coefficient as melanin and therefore also absorb the high levels of energy produced by the IPL methods.

SHR technology, on the other hand, utilizes the melanin path only partially (50%), it also influences the stem cells that produce new hair. Combining In-Motion technology, it gently warms the skin helping penetrate down to the follicles which produce hair growth.

In a word, Conventional devices, not using SHR technology, merely transport energy along the melanin to the follicles. SHR gently transports the energy through the skin and through the melanin to the hair follicles.

Research has shown that a slower, but longer heating process is considerably more effective for permanent hair removal than high and short levels of energy. Therefore, when using SHR, the device is passed over the tissue multiple times (in motion) using low energy but a high rate of repetition (up to 10Hz, i.e. 10 times per

second) instead of using the traditional method with multi, high-energy impulses. Thus, the hair melanin, as well as the tissue of the stem cells, is heated with low energy at a slow pace and over a longer period of time to a comfortable temperature of 45° Celsius.

2. Machine Applications

HR handpiece: *hair removal*
SR handpiece: *Pigment therapy, Vascular therapy, Skin rejuvenation, wrinkle removal, Breast liftup*

3.Specifications

Controller	8.4" TFT true color LCD display (24bits for color)
Output power	3000W
RF frequency	10MHz
RF energy	1-50J/cm^3
IPL energy	SHR: 1-15J/cm^2 UL: 1-50J/cm^2
Pulse/Discharge interval	SHR: 1-10 shots/ second UL: 0.2 – 1 shot / second
Number of pulse	SHR: 1T (single pulse) UL: 1-6T (multi pulses)
RF delay	SHR: 1-100ms UL: 1-500ms
Wavelength	610nm-950nm-1200nm; 530nm-950nm-1200nm
Number of handpiece	2pcs
Spot size	8x40mm
Program languages	English standard, any language optional
Cooling system	semiconductor+ air + water + cooling gel
Skin cooling	≤0-10^{0}C
Dimension of machine	40*46*60cm
Dimension of package	66*66*72cm
N.W.	32kg
G.W.	50kg
Voltage	220V / 110V
Package	aluminum alloy case

4. Taboos

a.Pregnant women

b. Insolation in the sun
c. be hypersensitive to light or medicine, or are taking medicine that sensitive to light
d. Using vitamin within 6 months
e. Not representative naevi or malignant pathological changes in the treatment area.
f. Pacemaker or quiver dispelling machine user
g. Herpes or trauma
h. Pimple record
i. People who accept Hirudin etc. treatment (should stop using it before 2 weeks).
j. Serious diabetes patient, high blood pressure sufferer, and epileptic

Chapter Two Safety Announcements

1. Security introduction

The equipment is high technology iatric equipment, for various face blemish elimination and unwanted Hair removal on body. After eligible training, it's safe to use. Operators and assistants must know the security notice

in this chapter. Most important, it's the safest design for treatments. All are as following:

a. Automatically inspection after turning on the machine

b. Independent electro circuit, automatically stop working when super energy

c. The red pause switch facilitates your urgency

【CAUTION】 Any intensive light under improper operation can injure the body. In the process of working, the machine will produce high pressure. So the operator should keep attentive, operating according to this introduction.

Patient: it's more important to choose an experienced therapist. Moreover, the patient should also know the treatment theory and wear the professional protective eyepatch, protecting eyes from hurt.

Operator: during the treatment, it's possible to see the intensive light. So it's necessary to wear the 3 grade blinder.

Treatment room: the room must have clear mark "using intensive light".

【WARNING】

For safe using, please carefully read following notice:

a. Except the authorized mechanic, any others have no right to examine and repair the IPL setup, especially the inside of machine that including electrical source, cooling system, optic organs and treatment head.

Notice the dangerous high pressure inside.

b. Make sure whether the voltage is accordant to your resident voltage or not.

c. Maintenance must be done after turning off the machine and unplug the power cord. Or there is

risk to injure people or damage the equipment.

d. Keep the sapphire clean. Do not let the cooling gel enter into the probe.

e. Stop turning on machine when finding slack from treatment head. If the machine is ON, turn off right now.

【DANGER】

a. The intensive light is possible to hurt eyes or cause fire. Always wear protect glasses and keep a fire extinguisher near the device.

b. Big light energy may burn skin, that results in atrophy or pigment deposit.

c. Do not directly look at the intensive light or laser light during treatment, even wear the protective glasses and eyepatch.

d. Do not point the treatment head to the air. Generally, hang it in the bracket. Point to the treatment areas when operating.

2. Safety of LVD and EMC

a. Keep close both panels and cover board.

b. High pressure inside the equipment. It's possible to deposit electricity in some parts even after switching off. So it's not allowed to open equipment except the authorized mechanics.

c. When do maintaining, please unplug power, cover board, and observe in person.

d. Please take care when moving.

e. Safe power line designed with 3 cores.

【PREVENT FIRE】

a. The temperature will raise after absorbing light energy, so please take actions to reduce the flammable risk on treatment parts or around area.

b. Do not use ethanol, acetone or other flammable things on skin before treatment. If necessary, please use soap or water.

c. When listerizing the treatment head or other parts in ethanol, please wait till dry.

【SAFETY SETTINGS】

a. There are some safety settings with equipment, so please know their places and using methods.

b. **Keys:** it's used to switch ON/OFF the power, only provided by the manufacturer.

c. **Emergency button:** the red switch is used to switch off power on emergency. Press it can switch off the power immediately. Turn it clockwise, the machine will be go on working. Or the machine keeps turning off.

【AUTOMATICAL INSPECTION】

After turning on the machine, the system will do an automatic inspection. About 1-3 minutes running automatically, then it enters into the next step.

【CLASS OF EQUIPMENT】

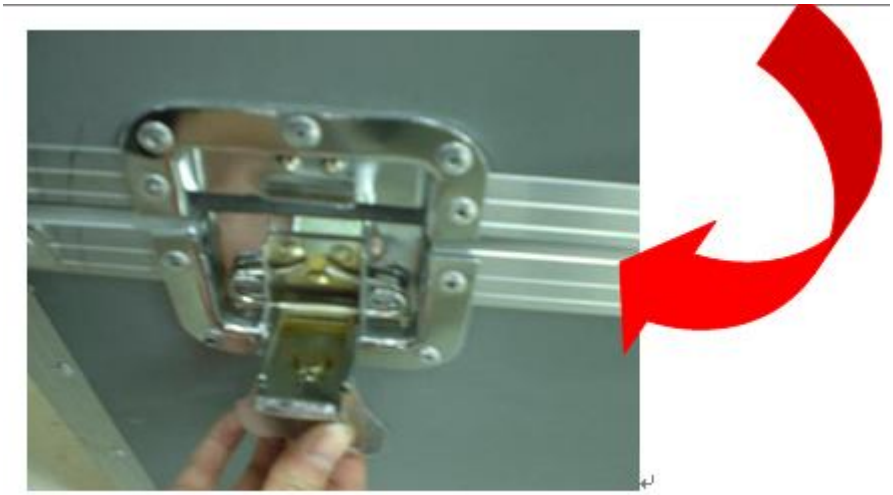
a. Class of motor protection:1 CLASS,BF CLASS
b. Anti-corrosive liquid: general
c. Not allowed to use in the air mixed flammable anesthetic and nitrous oxide
d. Operation manner: continuous operation

Chapter Three Installation of machine

1. Packing box

The package when you received is same as shown in the photo. If any damages happened during transportation, please contact us or carrier immediately!

How to open the box?



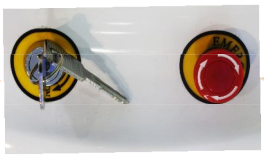
2.Accessories

	name	picture	Quantity
1	Key		2
2	Power line (European, American,Japan...any standard optional)		1
3	Water funnel		1

4	Pedal		1
5	Professional protective glasses		1
6	Professional protective eye patch		1
7	2 handpiece (SR and HR)		2

Main machine instruction as the picture below

The Key, turn right 900 to turn on machine



Emergency switch: keep it bounce in working; when press it downwards, the machine will be power off immediately; turn right to recover.

Current breaker--stop all power supply immediately when meething electricity leakage, quick reaction than the fuse
water inlet
Joint of pedal
water overflow
Joint of power cord
water drain

The sequence of sockets from left to right (rear view):

1. Left socket: HR handpiece controls the treatment of hair removal only. When doing hair removal, , the HR handpiece crystal will release flashes.
2. Right socket: SR handpiece controls the treatments of skin rejuvenation, pigment therapy, vascular therapy, breast liftup; When doing any these treatments, the SR handpiece crystal will release flashes.

More details of the handle:

Treatment probe: 8x40mm

Control button on handpiece, to control the pulse output. Press it with no release, the flashes will come out as per your interval settings

Notice: 2 x handpiecs standard, with the fixed sapphire both.
Spot size: 8x40mm^2
SR: 530nm-950nm-1200nm;
HR: 610nm-950nm-1200nm
530nm---wrinkle removal, skin rejuvenation, pigment Therapy, vascular therapy, breast liftup
610nm---hair removal;

Attention: keep sapphire clean before and after treatment.

Tel: +91 95 03487924 E-mail： dev.kanha86@gmail.com

Warm tips: Foot pedal is also to control pulse light output, same function as the control button on handpiece. It's optional in actual treatment.

3. Installation

1). Check machine

Open the package when receiving the machine place the machine on flat ground- check up whether good condition of machine from appearance, make sure no damage in transportation.

Good condition of machine but there's some water on the surface of the machine, please wait till dry then input water to test. In fact, we do function test before shipment; and drain water after perfect performance. Sometimes the water may not all drain out, but normally, please do not worry about.

After above operation, Keep room temperature between 22℃-28℃ and the humidity more than 20% in the treatment room. Finally input water and do function test.

2). Input water (see picture bellow)

(1). Water source: pure water or distilled water;

(2). Screw off the caps of water inlet and water overflow at the same time;

(3). Connect water pipe and water funnel to input water

(4). How to know enough water input?

Please observe water spilt, water flowing out automatically from the water spilt, means enough water input.

(5). Pull out water pipe and water funnel, do not tighten screw caps until you turn on machine and have good water circulation inside machine.

CAUTION: Please change water every 2-3 months approximately.

3). Connect hand pieces with mainframe

Operations:

Find the yellow button on hand piece socket ➔press down➔plug to machine, "click" sound means good connection.

4). Plug power cord and pedal

5). Function test:

Turn on machine, when show the first LCD display, please do not do any other operation.

Caution: please do not tighten the caps of water inlet and water overflow till good water circulation.

Turn off machine

pls repeat this for another 2 times

PS: this is to make sure good water circulation before normal operation. It's allowed to operate only based on good water circulation.

How to know good water circulation inside machine?

Generally you can hear water flow sound;

Under machine power on, the probe (sapphire) becomes cold after 3-5 minutes.

If the water doesn't cycle well or the probe does not cold, there might be some air in the pump.

We suggest do as following:

a. Turn on machine, when show the first LCD display, please do not do any other operation.

Caution: please do not tighten the caps of water inlet and water spilt till good water circulation;

b. turn off machine

c. Grip the grey hose vertically and release

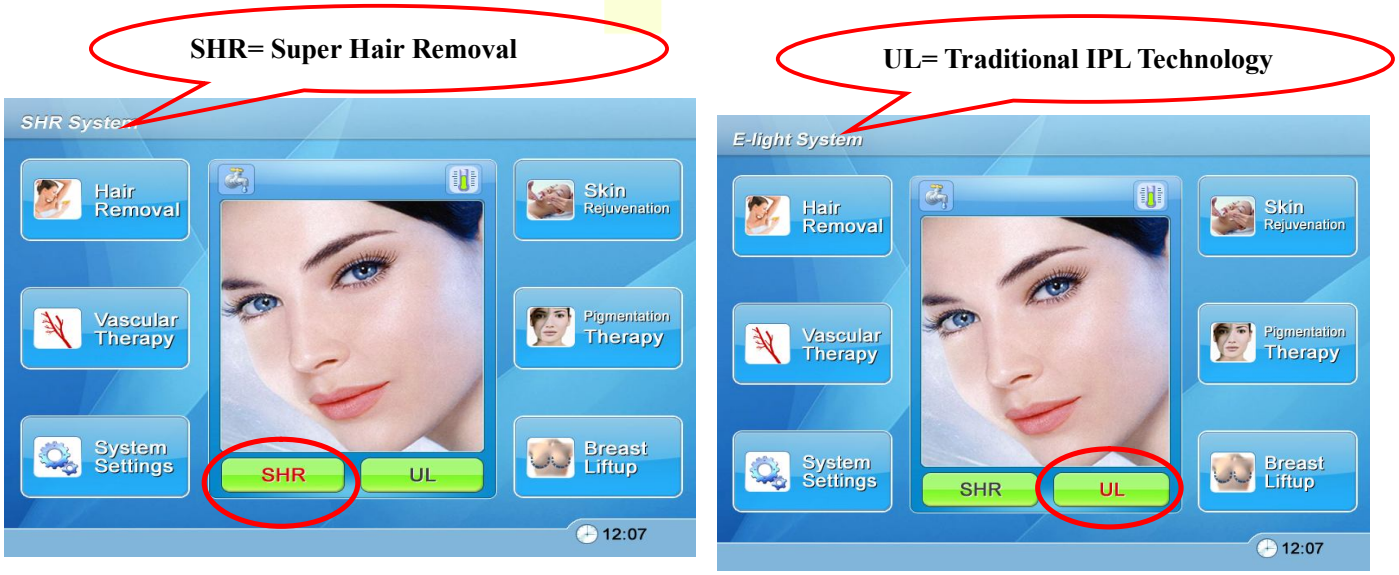
d. Repeat above operation for some times, till the air exhaust from pump. In return, the probe will turn to cold after 3-5 minutes.

e. You can tighten the caps of water inlet and water spilt at this moment.

Chapter Four Operation Instruction

1. Machine operation menu introduction

When turning on the machine, the screen will show as below picture:

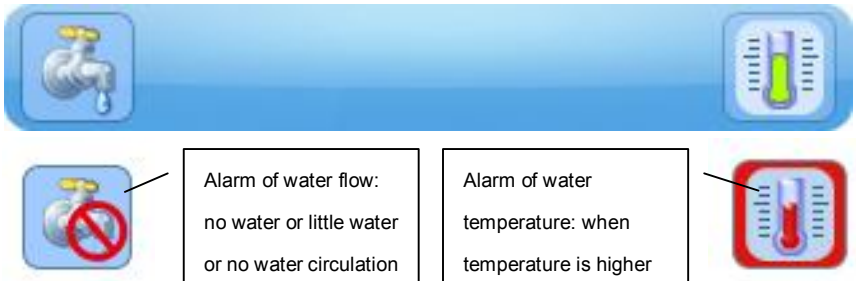


For hair removal , the HR handpiece crystal will be light up

For other functions(skin rejuvenation, vascular therapy, pigmentation therapy, breast liftup), the SR handpiece crystal

will be light up.

Introduction of alarm:



Alarm of water flow: no water or little water or no water circulation inside, the indicator will show as this and alarm sound following at the same time. In response, the machine will stop all working immediately

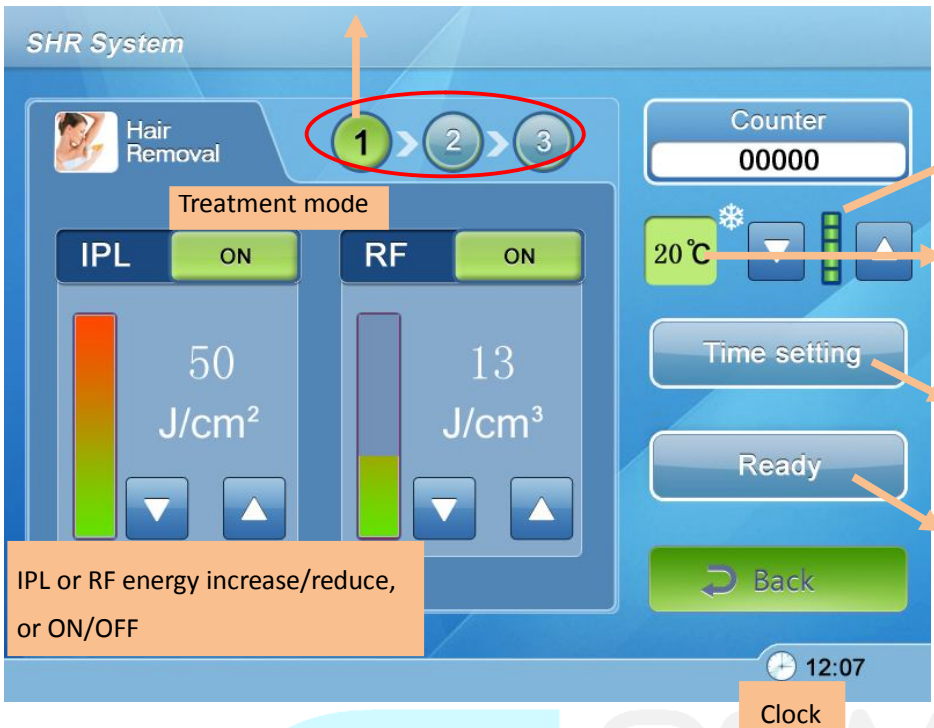
Alarm of water temperature: when temperature is higher than system setting----55^{0}C, the indicator will show as this and alarm sound following at the same time. In response, the machine will stop all

A.SHR system

Menu 1

Total 3 menus for different parameters setting: ① ② ③, store 3 different groups of parameters.
① parameters for black skin
② parameters for yellow/brown skin
③ parameters for white skin

Counter: temporary count for each turn on/off

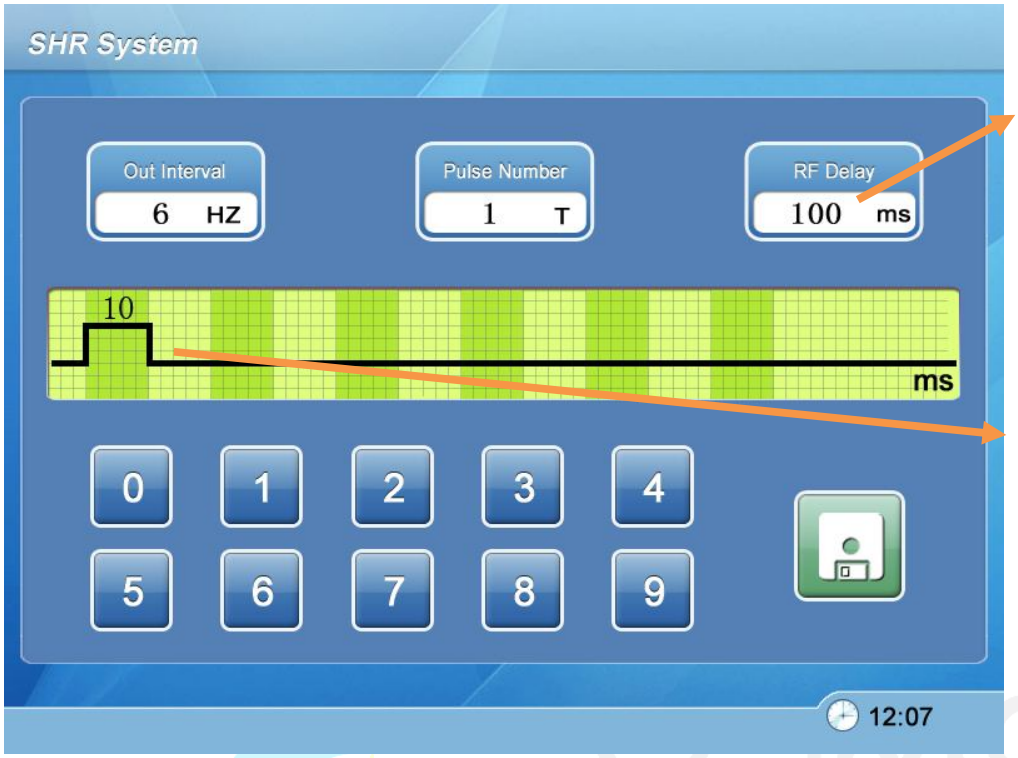


Menu 2

Out interval: 1-10Hz, means 1-10 flashes per second. Touch the number, it will change from 1 to 10.

Pulse Number: 1T, single pulse, can't change

RF Delay: 1-100ms, means how long time RF energy lasting on skin. Touch 100, use below number key to input, touch new no. again to save



After all setting, touch "SAVE" button to return to last display (Menu 1)

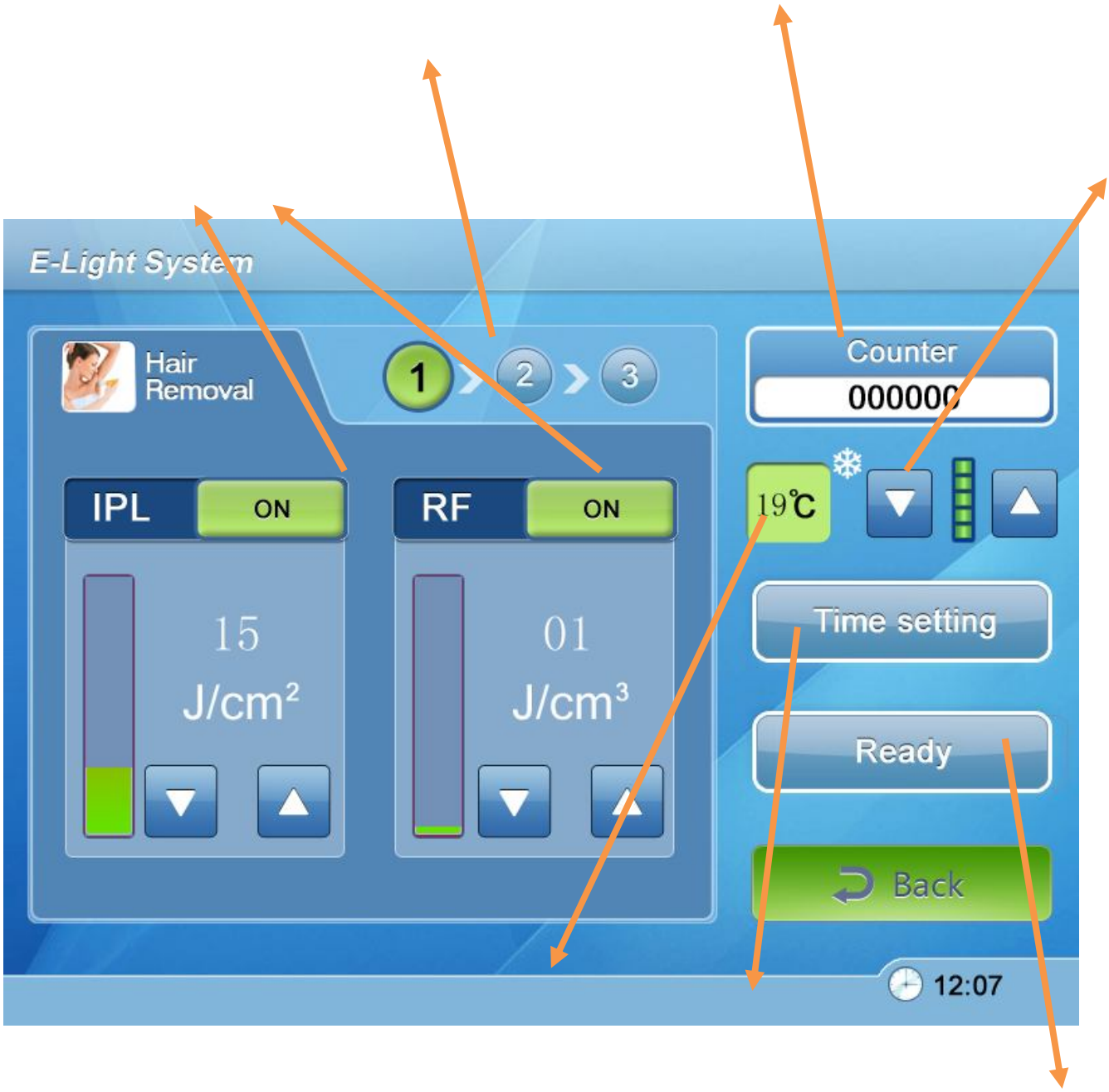
UL System(Traditional IPL technology)

Menu 1

Total 3 menus for different parameters setting: ① ② ③, store 3 different groups of parameters.
① parameters for black skin
② parameters for yellow/brown skin
③ parameters for white skin

Counter: temporary count for each turn on/off

cooling level, using right arrow to set it highest(best cooling), touch READY, after 3-5mins,

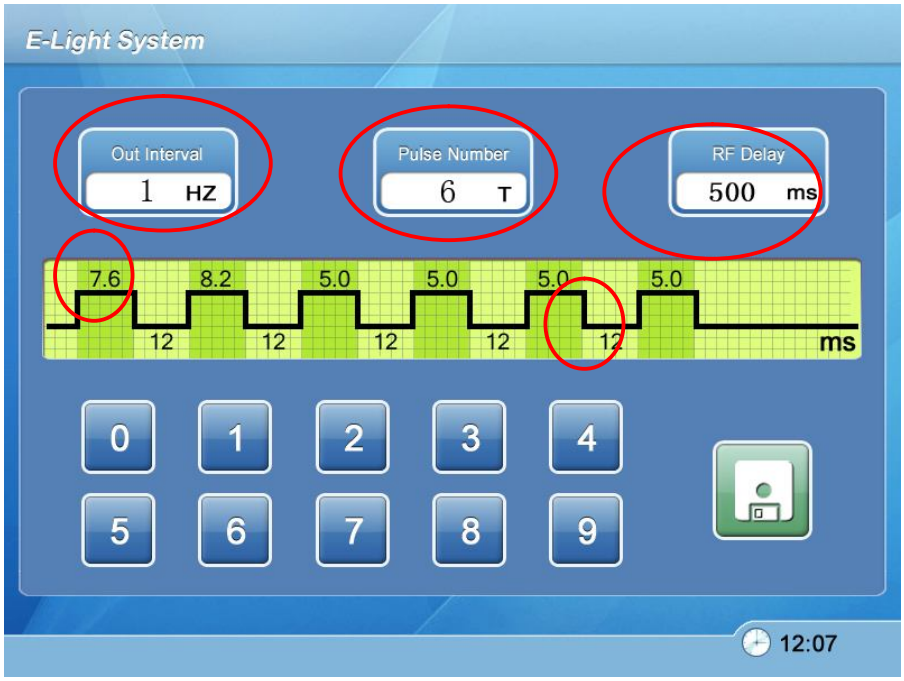


Menu 2

Out interval: 1hz, means one flash comes out per second.

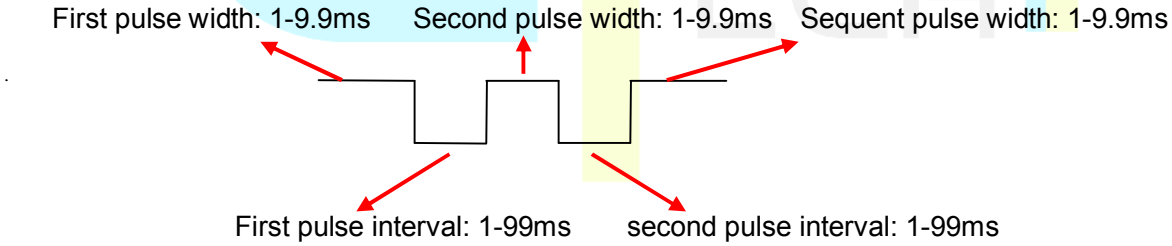
Pulse Number: 1-6T, means one flash has how many sub-pulses. Touch the number, it will change from 1 to 6.

RF Delay: 1-500ms, means



Pulse width: 1-9.9ms, it's how long time one sub-pulse working on skin. E.g., 7.6ms means light lasting 7.6ms on skin, stop 12ms, and then light coming out again and lasting on skin 8.2ms…. Touch 7.6, use below number key to input, touch new no. again to save

Pulse Interval: 1-99ms, it's how long time interval between two sub-pulses. E.g., light lasting 7.6ms on skin, stop 12ms, and then light coming out again and lasting on skin 8.2ms…. Touch 12, use below number key to input, touch new no. again to save


First pulse width: 1-9.9ms
Second pulse width: 1-9.9ms
Sequent pulse width: 1-9.9ms
First pulse interval: 1-99ms
second pulse interval: 1-99ms

After all setting, touch "SAVE" button to return to last display(Menu 1)!

What settings therapist should do before a treatment?

①is for black skin

②is for other skin

③is for white skin

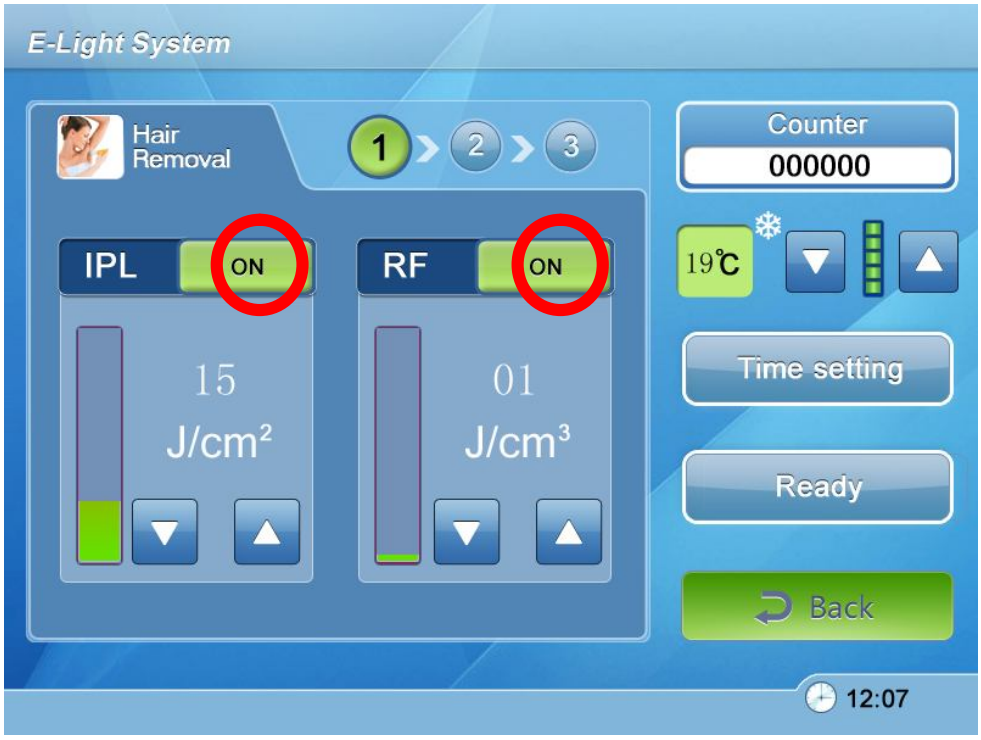
Set cooling to highest level

We have preset these parameters safe and effective for treatment. Usually no need change.

Set IPL/RF energy

See below how to get appropriate energy for treatment?

- **Touch "Ready" on LCD display, the button will change to "Standby".**
- **Press the control-button on handpiece or step the pedal continuously, the probe starts flashes. You can do treatment now.**
- **After operation, touch "Standby" to stop the system; then touch "Back" to return to last display.**



Notice: switch between "OFF" and "ON" to turn on or off IPL or RF function separately.
Can not keep IPL and RF "off" at the same time.

2. Attention

CAUTIONS:

- Operator must wear the professional protective glasses before or during the operation.
- Patients must wear the professional protective eyepatch before or during the operation.
- Do not look at the visible intense pulse light directly.
- The protection eyepatch can't defend all the point-blank laser and laser reflected by glass, reflector, smooth surface of metal. So it is strict forbidden to directly watch the laser light.
- Flammable and explosive things should be kept away from operating room, such as stupefacient, liquid and gas,.
- Operator and patient are forbidden to wear watch and necklace etc. during the treatment.
- It must supply strict protection to the customer's eyes. If not well protected, it may cause harm to the customer's eyes, such as keratitis, cornea brushing off, or even lose sight
- Please do not optionally open the panel of the machine even power stopped, in case high voltage danger.
- It is needed to tighten up the screw caps of machine when make movement.

Room Symbol:

PREPARATION:

a). Place the machine on a flat ground
b). Input enough water into machine; **Water source: distilled water or pure water**
c). Then turn no machine, make sure good water circulation inside machine (water flow sound inside)
d). Waiting for 3-5minutes, till the probe turns to cold.
(If operation under the state of no water circulation or hot probe, the handle is easy to damaged.)
e). If there is external filter, please make sure filter inserted into slot!
f). Test the machine in good working

Please make sure above steps done, or it's not allowed to do any operation. Otherwise, the handle or machine will be damaged.

System alarm of water temperature:
The lowest system settings of water temperature is 15^0C, the highest system setting of water temperature is 55^0C. During 15^0C---55^0C, the machine works well. If lower 15^0C or higher 55^0C, now pulse output from the probe.

Before treatment

It requires an experienced therapist to use it and also patient cooperation for getting good results.

To the patients:

The effectiveness of laser hair removal is highly dependent on patient cooperation. There are many things a patient can inadvertently do to decrease either the safety or effectiveness of their treatment.

a). Tanning is one of the biggest factors. Tanning should be avoided for 4-6 weeks prior to treatment. Self-tanning creams and sprays need to completely fade also. During the course of treatment, if a patient is exposed to sun, sunscreen with an SPF of at least 30 applied as a thick layer 20 minutes before sun exposure is recommended.

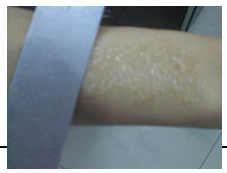
b). The hair needs to be in the follicle at the time of treatment. Lasers target the pigment melanin in the hair beneath the surface of the skin. Because of this, patients should not wax, tweeze, bleach, thread, or use depilatory agents for 4 weeks prior to treatment. If facial hair is being treated, usually avoidance of these methods for only 2 weeks is necessary because facial hair grows faster. If a form of hair removal is necessary, shaving or clipping can be done because these methods allow the hair to stay in the follicle. It is usually advisable to see some hair growth on the day of treatment.

c). Lotions, creams, makeup, and deodorant are removed before treatment as well. These can obstruct or refract laser light negatively.

To the operators:

a). Classification of skin: it's safe and effective to the white, brown or yellow skin.
b). Clean skin to eliminate the perfume and cosmetics.
c). Use digital camera take photo from different directions for file
d). If necessary, use external anesthetic cream one hour before the treatment
e). Shave hairs until 1mm to hair root.
f). Clean treatment area and spread the cooling gel on skin, about 3 mm thickness

Cooling gel is helpful to make customers comfortable in treatment, and helpful to lead intensive pulsed light into deep skin tissue.



g). Adjust the right parameters(see below ***how to get appropriate parameters for treatment***?)
h). touch “Ready” to light up the crystal
i). press the control button on handpiece or step pedal to activate flashes. Please shot the first 3 flashes to ground at beginning so that even energy output in treatment.
j). place the probe on skin tightly at first, then press the handpiece button or step foot pedal continually to start treatment
*k). **treatment method*** see below.

During operation

a). Make sure patients wear the protective eye-patch, at the same time, the operator also wear the professional protected glasses, respirator and medical gloves.
b). When doing treatment on the protrudent areas(bone structure like forehead, mandible and cheekbone). Set the RF energy a little lower on different conditions of patients.
c). During treatment, vertically slide the bipolar probe on skin with balance force, and observe whether it touches skin well or not. Overlapped shots by 1 cm make good effects of treatment area.
d). Adjust the energy from low to high, and step-by-step; make sure not more than 3 steps each time, to avoid burn.
e). Continuously press either of the 2 buttons on the headpiece or step the foot pedal make symmetrical output energy.

Please do not press the button on handle one press by one press nor step the foot pedal step by step. That will make skin gets different energies which will sure hurt the customer.

f). To stop the treatment or try to change another treatment area, firstly release the button on the handle or foot pedal, to avoid electric shock by chance

Warm tips:
Keep the machine rest every 2-3 hours continuous working
The handle is fragile, please keep special care when holding or hanging to the holder
Please do treatment from the lower energy at the beginning, and adjust the energy according to actual conditions.

Special Notices

a). Avoid sunlight and burn before and after the treatment, could use the suntan lotion (cream) (SPF>30) to avoid direct sunshine.

b). Avoid chemical or mechanical stimulation before and after 1 week of the treatment

c). Do not take filled things or injection treatment before and after 2 weeks of the treatment

d). Avoid direct or indirect heat stimulation to the treatment area after 3 days of the treatment, especially to those of high pigment deposit.

e). If taking laser skin care treatment before this treatment, please wait for 3 weeks at least.

f). After the treatment, patients are not allowed to eat the foods of dark color or great pungent within two weeks, such as the sauce, coke, seafoods, capsicum etc.

g). It's not allowed insolation in the sun before and after the treatment

h). It's not allowed that use any cosmetics after the treatment, suggested that use the natural moisturize products

i). Please cooling the bad reaction area after the treatment with , like tumescence and causalgiase.

j). After the operation, make sure clean the probe.

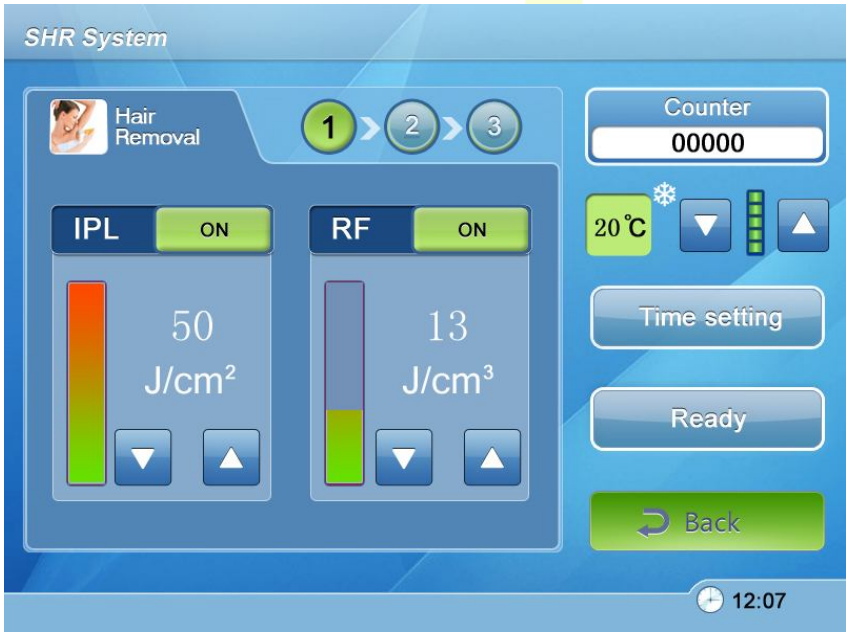
k). It's not allowed to operate the machine without professional operators.

Chapter Five Clinical treatment

Clinic parameter

1.SHR system

Take hair removal as example



①Choose skin color

1 is for black skin

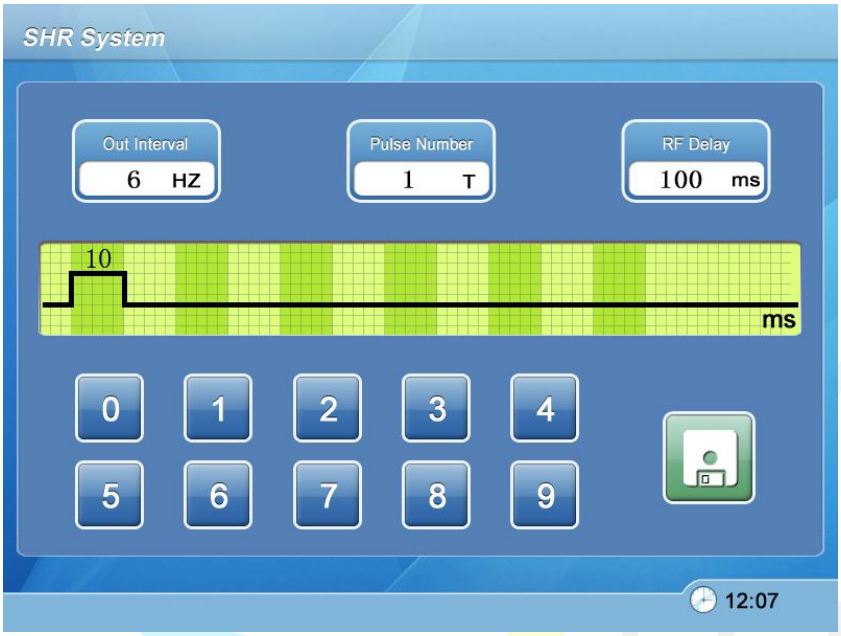
2 is for other skins

3 is for white skin

②Set cooling highest

③Time setting

see below.



black skin:

Out interval: 1-2Hz

RF Delay: 100ms

pulse width: 10-15ms

other skins:

Out interval: 3Hz

RF Delay: 100ms

pulse width: 20ms

white skin:

Out interval: 3-4Hz

RF Delay: 100ms

pulse width: 20-30ms

SHR Clinical Parameter Suggestion:

Function \ Setting		Energy		Out Interval	Pulse Number	RF delay
		IPL	RF			
Hair removal	Black skin	10J↑	8J↑	4Hz	1	100ms
	Yellow skin	10J↑	8J↑	4Hz	1	100ms
	White skin	10J↑	8J↑	4Hz	1	100ms
Vascular Therapy	Black skin	10J↑	8J↑	4Hz	1	100ms
	Yellow skin	10J↑	8J↑	4Hz	1	100ms
	White skin	10J↑	8J↑	4Hz	1	100ms
Wrinkle Removal	Black skin	10J↑	8J↑	4Hz	1	100ms
	Yellow skin	10J↑	8J↑	4Hz	1	100ms
	White skin	10J↑	8J↑	4Hz	1	100ms
Skin rejuvenation	Black skin	10J↑	8J↑	4Hz	1	100ms
	Yellow skin	10J↑	8J↑	4Hz	1	100ms
	White skin	10J↑	8J↑	4Hz	1	100ms

Pigment therapy	Black skin	10J↑	8J↑	4Hz	1	100ms
	Yellow skin	10J↑	8J↑	4Hz	1	100ms
	White skin	10J↑	8J↑	4Hz	1	100ms
Breast lifting	Black skin	5J↑	5J↑	4Hz	1	100ms
	Yellow skin	5J↑	5J↑	4Hz	1	100ms
	White skin	5J↑	5J↑	4Hz	1	100ms

SHR "In-motion" treatment method

Using SHR to do treatment, the probe is sliding on skin multi times, optimal treatment area in one time is 10-15cm. If patients feel painful, probe sliding quicker will reduce the pain; If patients do not have the warm feeling, sliding slowly will increase warm feeling.

Treatment feeling: some stinging & warm sensation on skin, but comfortable and acceptable by patients.
If redness or inflammation on treatment area, mean big energy in clinic. In this case, should take some internal or external antiphlogistic. If burn and wound, we suggest look for doctor for professional treatment immediately.

2. UL system

Take hair removal for example:

①Choose skin color

1 is for black skin

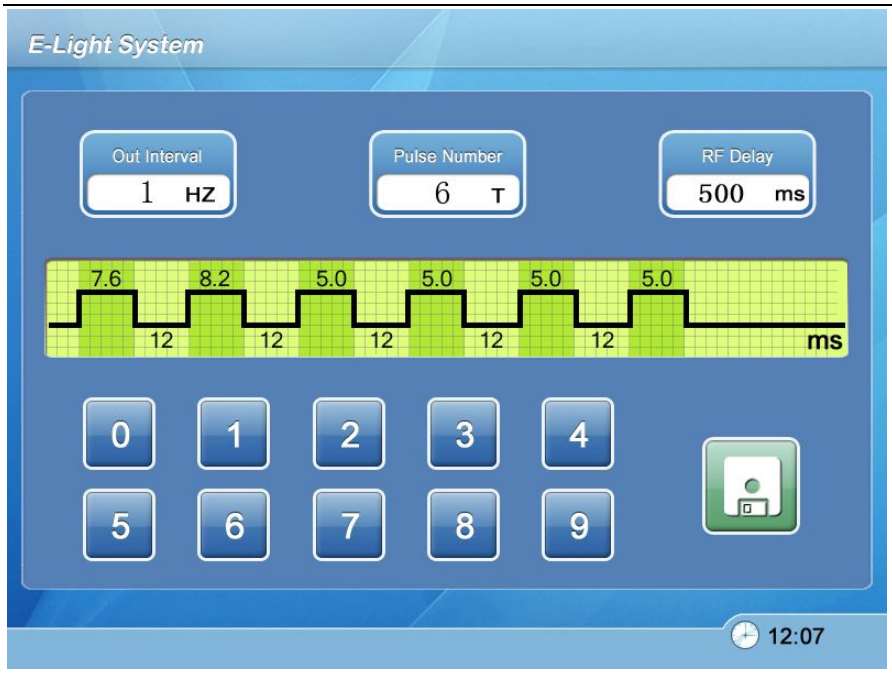
2 is for other skins

3 is for white skin

②Set cooling highest

③Time setting

see below.



black skin:

Out interval: 1hz

Pulse Number: 6

RF Delay: 500ms

other skins:

Out interval: 1hz

Pulse Number: 6

RF Delay: 500ms

white skin:

Out interval: 1hz

Pulse Number: 6

RF Delay: 500ms

UL Clinical Parameter Suggestion

Function	Setting	Energy		Out interval	Pulse Number	RF delay
		IPL	RF			
Hair removal	Black skin	10J↑	8J↑	1hz	6	500ms
	Yellow skin	10J↑	8J↑	1hz	6	500ms
	White skin	10J↑	8J↑	1hz	6	500ms
Vascular Therapy	Black skin	10J↑	8J↑	1hz	4	500ms
	Yellow skin	10J↑	8J↑	1hz	4	500ms
	White skin	10J↑	8J↑	1hz	4	500ms
Wrinkle Removal	Black skin	10J↑	8J↑	1hz	4	500ms
	Yellow skin	10J↑	8J↑	1hz	4	500ms
	White skin	10J↑	8J↑	1hz	4	500ms
Skin rejuvenation	Black skin	10J↑	8J↑	1hz	4	500ms
	Yellow skin	10J↑	8J↑	1hz	4	500ms
	White skin	10J↑	8J↑	1hz	4	500ms
Pigment therapy	Black skin	10J↑	8J↑	1hz	5	500ms
	Yellow skin	10J↑	8J↑	1hz	5	500ms
	White skin	10J↑	8J↑	1hz	5	500ms
Breast lifting	Black skin	5J↑	5J↑	1hz	3	500ms
	Yellow skin	5J↑	5J↑	1hz	3	500ms
	White skin	5J↑	5J↑	1hz	3	500ms

Breast Lifting Treatment reference :

1. Assistant products advice:

Breast plumping essential oil

Breast massage cream

2. Operation area:

It's not allowed that do treatment on the small ring of dark color around the nipple

(Including the nipple of the breast)

3. Operation steps:

a. Skin cleaning: anti-sensitive cleaning cream
b. Skin shrinking: soft water, moisturize lotion
c. Spread some breast plumping essential oil on breast and massage about 10-15minutes.
d. Put cooling gel on treatment area, about 2-3mm thickness
e. Hold the treatment handle, vertically & closely slide the probe on breast back and forth.

Generally, hot sensation on breast means perfect treatment

Warm tips:

1. We have preset these parameters safe and effective for treatment. Usually no need to set those parameters each time you have customers. You can just set skin color, IPL and RF energy and the cooling mode in the actual operation. The parameters above just for your reference:

2. The black skin is easy to absorb energy, so take special care IPL & RF energy adjustment in the actual treatment.

3. It can be reset by an experienced therapist; generally, the best treatment results are stinging sensation under tissue, which is acceptable.

4 When try to single use RF, can be used to wrinkle removal, skin rejuvenation; generally, its value starts from12, then increase according to the actual condition of patients; generally, to the best treatment result is stinging&heat on skin

3. Above all operation must consider the actual sense of the patients.

How to get appropriate energy for each patient?

i. About IPL energy, please set it from lower starting, if you do body, set it from 8J, if you do face, set it from 5J, you need to add it one step by one step until patients feel warm or needle pricking, the joules are

right for doing treatment. Usually, according to our experience, maybe 15J or 18J is enough if it is new machine.

ii. About RF energy, please set it 8J or 10J, and not always need to change it, if your patients like and can bear the pain, you can set it a little higher, like 15J.

Clinical settings should be variant because each person has different skin impedance even same skin type. Always do patch test before treatment and get the appropriate settings.

Attention:
During the process of parameter adjustment or parameter settings, do not press the control button on handle or pedal till all set up well, avoid intensive pulsed light harm to people's eyes by chance.

After above setting, touch "Ready" on LCD display to light up the handpiece, press the control-button on handpiece or step the pedal, flashes start. please shot the first 3 flashes to ground at beginning so that you get even energy output in treatment.

CAUTION:

1. Operator and patients both must wear protection glasses
2. Do not look at the intensive pulsed light directly, or it may hurt people's eyes, such as keratitis, cornea brushing off, or even lose sight.
3. Operator and patient are forbidden to wear watch and necklace etc.

"Stationary" treatment method

During treatment, do not release 2-3 flashes on same zone continuously, one flash finished, move probe and overlap last flash a little bit about 1-2mm for next flash, when you finish half face or palm size area, repeat the process again or another 2 times. If 2-3 flashes on same zone continuously, it may burn skin.

Treatment feeling: some stinging & warm sensation on skin, but comfortable and acceptable by patients.
If redness or inflammation on treatment area, mean big energy in clinic. In this case, should take some internal or external antiphlogistic. If burn and wound, we suggest look for doctor for professional treatment immediately.

When to stop treatment?

i. For hair removal, you see hair follicles are swelling and red, stop treatment and use tweezers to pull 3-5 hair roots gently. if the hair come out, as if unattached to the skin, and patient feels not painful, the results is great. About 15-20 minutes later, remove the cooling gel.

(No need all hairs come out easy with tweezers. As long as you can pull out 3-5 hairs gently, means the energy is working. Some hairs you can pull out easy with tweezers, some you can not, it's normal. After 1-2 weeks, you can see some hairs fall out on its own, some hairs stop growth. Of course, if the hair follicle on treated area look no difference with untreated area, means the settings is not right, you need to adjust settings a little higher and do area again.)

ii. For skin rejuvenation or other functions, no need this test. About 15-20 minutes later, remove the cooling gel.

Post-Treatment

1. First of all, when you get the treatment done, you will notice redness and bumps on your skin. This will last about two hours and you will feel like the area treated has been sunburned. Again this will begin to disappear within a few days. One way you can alleviate the discomfort on the area treated is to put a cold ice pack on it on the first day. You can also use Aloe Vera gel, or any sunburn cream.
2. Over the next few months, keep out of the sun. If you are in the sun, you may cause dark or light spots to appear on the area treated by the laser. If you do go outside, make sure you have sunscreen on (SPF 30 plus) and have areas covered to limit damage to the skin.
3. Do not scratch or pick at the area that has been treated. Do not use any other hair removal treatment products or services (waxing, electrolysis or tweezing) that will disturb the hair follicle in the treatment area.
4. If you had the laser hair removal done on the face, you can put makeup on almost immediately unless there is blistering. If you do use makeup, make sure it is new makeup to prevent any sort of infection and make sure you have moisturizer under the makeup. The moisturizer will help your skin heal.
5. After the laser hair session, you can shower but you should make sure that you gently wash with a mild soap and that you pat the ski, do not rub. If you had your underarms treated, do not put on deodorant for the first 24 hours at least, ideally use a powder instead of deodorant for 24 hours after the treatment to reduce skin irritation.
6. Use post-laser lotion (if available) twice a day for 3 days.
7. During the first month following your session, you will find that your hair falls out on its own .Do not use tweezers or shaving on the area treated. This will only cause the results from the treatment to be less than what they can be. The hair will fall out on its own, it does not need your help to make it happen.
8. The areas treated will begin to develop new hair and stubble within 30 days of your laser hair removal session. This is because hair re-growth occurs in cycles and it perfectly normal. It is the main reason why more than one session is needed

4. Required Sessions

1) hair removal

a. 3-5 sessions required.

b. Interval 3-4 weeks, because the hair has its own growth period and dormant period, so it's only effective to remove the hair in growth period.

2)Vascular therapy

a. 3-6 sessions required.

b. Interval 3-4 week, because the human metabolism period is 3-4 weeks, the stimulated capillary vessel tissues will be shrinking and steady along with the metabolism .

3) Winkle removal

a. 3-5 sessions required.

b. Interval 3-4 week, because the human metabolism period is 3-4 weeks, the stimulated collagen fiber tissues and flexibility fiber tissues will be steady along with the metabolism.

4) Skin rejuvenation

a. 3-5 sessions required.

b. Interval 3-4 week, because the human metabolism period is 3-4 weeks, the stimulated collagen fiber tissues and flexibility fiber tissues will be steady along with the metabolism.

5) Pigment treatment

a. 3-5 sessions required.

b. Interval 3-4 weeks, because the human metabolism period is 3-4 weeks, some decomposed pigment cells are phagocytosed by the lymphocyte, and expel from the body along with the metabolism.

6) Breast lifting treatment

a. 5-8 sessions required. Frankly speaking, it should a treatment for long-period, to the best result. Meanwhile, personal or professional nursing is also important.

b. Interval 2-3 weeks. The treatment theory is that stimulating the renewal of the mammary gland cells, and enhancing the ligament tissue, to plump the breast naturally. Because the human metabolism cycle is 3-4 weeks, the stimulated capillary vessel tissues will be shrinking and steady along with the metabolism

Daily Maintenance

1. Preserve

a. Be avoid of the sunshine.

b. Clean the treatment probe after each treatment, it is better to cover the treatment probe with soft cloth. If you don't use the machine for a long time, please cover the whole machine carefully to avoid dust, this is very important to the machine.

c. Take up the treatment probe carefully. (this is very important)

2. Maintenance

a. It is very important to put the device in a clean, dry and aeration room.

b. Do not let other people to operate this machine except the professional operator.